



*Ester*

# RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number:

09/230,111A

Art Unit / Team No. :

1642

Date Processed by STIC:

5/19/2000

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JUN 10 2000  
TC 1600 MAIL ROOM

THE ATTACHED PRINTOUT EXPLAINS THE **ERRORS DETECTED.**

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,
- 2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

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TC 1600 MAIL ROOM

1642

RAW SEQUENCE LISTING      DATE: 05/19/2000  
 PATENT APPLICATION: US/09/230,111A      TIME: 12:21:57

Input Set : A:\48962apl.app  
 Output Set: N:\CRF3\05182000\I230111A.raw

Does Not Comply  
 Corrected Diskette Needed

3 <110> APPLICANT: Sato, Taka-Aki  
 4 Yanagisawa, Junn  
 6 <120> TITLE OF INVENTION: COMPOUNDS THAT INHIBIT INTERACTION BETWEEN  
 7 SIGNAL-TRANSDUCING PROTEINS AND THE GLGF (PDZ/DHR)  
 8 DOMAIN AND USES THEREOF  
 10 <130> FILE REFERENCE: 48962-A-PCT-US  
 12 <140> CURRENT APPLICATION NUMBER: 09/230,111A  
 13 <141> CURRENT FILING DATE: 1999-05-17  
 15 <160> NUMBER OF SEQ ID NOS: 33  
 17 <170> SOFTWARE: PatentIn Ver. 2.1  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 4  
 21 <212> TYPE: PRT  
 22 <213> ORGANISM: Artificial Sequence  
 24 <220> FEATURE:  
 25 <223> OTHER INFORMATION: Description of Artificial  
 26 Sequence:source:synthesized  
 28 <400> SEQUENCE: 1  
 W--> 29 Xaa Leu Gly Xaa *see item 10 on Eura summary sheet*  
 30  
 33 <210> SEQ ID NO: 2  
 34 <211> LENGTH: 6  
 35 <212> TYPE: PRT  
 36 <213> ORGANISM: Artificial Sequence  
 38 <220> FEATURE:  
 39 <223> OTHER INFORMATION: Description of Artificial  
 40 Sequence:source:synthesized  
 42 <400> SEQUENCE: 2  
 W--> 43 Xaa Xaa Xaa Leu Gly Xaa *same error*  
 44  
 47 <210> SEQ ID NO: 3  
 48 <211> LENGTH: 4  
 49 <212> TYPE: PRT  
 50 <213> ORGANISM: Artificial Sequence  
 52 <220> FEATURE:  
 53 <223> OTHER INFORMATION: Description of Artificial  
 54 Sequence:source:synthesized  
 56 <400> SEQUENCE: 3  
 57 Ser Leu Gly Ile  
 58  
 61 <210> SEQ ID NO: 4  
 62 <211> LENGTH: 3  
 63 <212> TYPE: PRT  
 64 <213> ORGANISM: Artificial Sequence  
 66 <220> FEATURE:  
 67 <223> OTHER INFORMATION: Description of Artificial  
 68 Sequence:source:synthesized

pg. 5, 2

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## RAW SEQUENCE LISTING

DATE: 05/19/2000

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TIME: 12:21:57

Input Set : A:\48962apl.app

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70 <400> SEQUENCE: 4  
W--> 71 Xaa Xaa Xaa *dem 10*  
72 1  
75 <210> SEQ ID NO: 5  
76 <211> LENGTH: 15  
77 <212> TYPE: PRT  
78 <213> ORGANISM: human  
80 <400> SEQUENCE: 5  
81 Asp Ser Glu Asn Ser Asn Phe Arg Asn Glu Ile Gln Ser Leu Val  
82 1 5 10 15  
85 <210> SEQ ID NO: 6  
86 <211> LENGTH: 15  
87 <212> TYPE: PRT  
88 <213> ORGANISM: rat  
90 <400> SEQUENCE: 6  
91 Ser Ile Ser Asn Ser Arg Asn Glu Asn Glu Gly Gln Ser Leu Glu  
92 1 5 10 15  
95 <210> SEQ ID NO: 7  
96 <211> LENGTH: 15  
97 <212> TYPE: PRT  
98 <213> ORGANISM: mouse  
100 <400> SEQUENCE: 7  
101 Ser Thr Pro Asp Thr Gly Asn Glu Asn Glu Gly Gln Cys Leu Glu  
102 1 5 10 15  
105 <210> SEQ ID NO: 8  
106 <211> LENGTH: 4  
107 <212> TYPE: PRT  
108 <213> ORGANISM: Artificial Sequence  
110 <220> FEATURE:  
111 <223> OTHER INFORMATION: Description of Artificial  
112 Sequence:source:synthesized  
114 <400> SEQUENCE: 8  
115 Glu Ser Leu Val  
116 1  
119 <210> SEQ ID NO: 9  
120 <211> LENGTH: 6  
121 <212> TYPE: PRT  
122 <213> ORGANISM: Artificial Sequence  
124 <220> FEATURE:  
125 <223> OTHER INFORMATION: Description of Artificial Sequence:  
126 source:synthesized  
128 <400> SEQUENCE: 9  
129 Thr Ile Gln Ser Val Ile  
130 1 5  
133 <210> SEQ ID NO: 10  
134 <211> LENGTH: 8  
135 <212> TYPE: PRT  
136 <213> ORGANISM: Artificial Sequence  
138 <220> FEATURE:

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139 <223> OTHER INFORMATION: Description of Artificial
140     Sequence:source:synthesized
142 <400> SEQUENCE: 10
143 Arg Gly Phe Ile Ser Ser Leu Val
144   1               5
147 <210> SEQ ID NO: 11
148 <211> LENGTH: 8
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial
154     Sequence:source:synthesized
156 <400> SEQUENCE: 11
157 Arg Glu Thr Ile Glu Ser Thr Val
158   1               5
161 <210> SEQ ID NO: 12
162 <211> LENGTH: 11
163 <212> TYPE: PRT
164 <213> ORGANISM: Artificial Sequence
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Description of Artificial
168     Sequence:source:synthesized
170 <400> SEQUENCE: 12
171 Gln Asn Phe Arg Thr Tyr Ile Val Ser Phe Val
172   1               5               10
175 <210> SEQ ID NO: 13
176 <211> LENGTH: 13
177 <212> TYPE: PRT
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Description of Artificial
182     Sequence:source:synthesized
184 <400> SEQUENCE: 13
185 Ser Asp Ser Asn Met Asn Met Asn Glu Leu Ser Glu Val
186   1               5               10
189 <210> SEQ ID NO: 14
190 <211> LENGTH: 15
191 <212> TYPE: PRT
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Description of Artificial
196     Sequence:source:synthesized
198 <400> SEQUENCE: 14
199 Pro Pro Thr Cys Ser Gln Ala Asn Ser Gly Arg Ile Ser Thr Leu
200   1               5               10               15
203 <210> SEQ ID NO: 15
204 <211> LENGTH: 15
205 <212> TYPE: PRT
206 <213> ORGANISM: Artificial Sequence

```

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DATE: 05/19/2000

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Input Set : A:\48962apl.app

Output Set: N:\CRF3\05182000\I230111A.raw

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208 <220> FEATURE:
209 <223> OTHER INFORMATION: Description of Artificial
210   Sequence:source:synthesized
212 <400> SEQUENCE: 15
213 Ile Asp Leu Ala Ser Glu Phe Leu Phe Leu Ser Asn Ser Phe Leu
214   1           5           10           15
217 <210> SEQ ID NO: 16
218 <211> LENGTH: 15
219 <212> TYPE: PRT
220 <213> ORGANISM: Artificial Sequence
222 <220> FEATURE:
223 <223> OTHER INFORMATION: Description of Artificial
224   Sequence:source:synthesized
226 <400> SEQUENCE: 16
227 Asp Ser Glu Met Tyr Asn Phe Arg Ser Gln Leu Ala Ser Val Val
228   1           5           10           15
231 <210> SEQ ID NO: 17
232 <211> LENGTH: 15
233 <212> TYPE: PRT
234 <213> ORGANISM: Artificial Sequence
236 <220> FEATURE:
237 <223> OTHER INFORMATION: Description of Artificial
238   Sequence:source:synthesized
240 <400> SEQUENCE: 17
241 Ile Pro Pro Asp Ser Glu Asp Gly Asn Glu Glu Gln Ser Leu Val
242   1           5           10           15
245 <210> SEQ ID NO: 18
246 <211> LENGTH: 4
247 <212> TYPE: PRT
248 <213> ORGANISM: Artificial Sequence
250 <220> FEATURE:
251 <223> OTHER INFORMATION: Description of Artificial
252   Sequence:source:synthesized
254 <400> SEQUENCE: 18
255 Gln Ser Leu Val
256   1
259 <210> SEQ ID NO: 19
260 <211> LENGTH: 5
261 <212> TYPE: PRT
262 <213> ORGANISM: Artificial Sequence
264 <220> FEATURE:
265 <223> OTHER INFORMATION: Description of Artificial Sequence:source
266   synthesized
268 <400> SEQUENCE: 19
269 Ile Gln Ser Leu Val
270   1           5
273 <210> SEQ ID NO: 20
274 <211> LENGTH: 6
275 <212> TYPE: PRT

```

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Input Set : A:\48962apl.app  
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```

276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Description of Artificial
280     Sequence:source:synthesized
282 <400> SEQUENCE: 20
283 Glu Ile Gln Ser Leu Val
284   1           5
287 <210> SEQ ID NO: 21
288 <211> LENGTH: 7
289 <212> TYPE: PRT
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: Description of Artificial
294     Sequence:source:synthesized
296 <400> SEQUENCE: 21
297 Asn Glu Ile Gln Ser Leu Val
298   1           5
301 <210> SEQ ID NO: 22
302 <211> LENGTH: 8
303 <212> TYPE: PRT
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Description of Artificial
308     Sequence:source:synthesized
310 <400> SEQUENCE: 22
311 Arg Asn Glu Ile Gln Ser Leu Val
312   1           5
315 <210> SEQ ID NO: 23
316 <211> LENGTH: 15
317 <212> TYPE: PRT
318 <213> ORGANISM: Artificial Sequence
320 <220> FEATURE:
321 <223> OTHER INFORMATION: Description of Artificial
322     Sequence:source:synthesized
324 <400> SEQUENCE: 23
325 Asp Ser Glu Asn Ser Asn Phe Arg Asn Glu Ile Gln Ser Leu Val
326   1           5           10           15
329 <210> SEQ ID NO: 24
330 <211> LENGTH: 427
331 <212> TYPE: PRT
332 <213> ORGANISM: human
334 <400> SEQUENCE: 24
335 Met Gly Ala Gly Ala Thr Gly Arg Ala Met Asp Gly Pro Arg Leu Leu
336   1           5           10           15
338 Leu Leu Leu Leu Leu Gly Val Ser Leu Gly Gly Ala Lys Glu Ala Cys
339           20           25           30
341 Pro Thr Gly Leu Tyr Thr His Ser Gly Glu Cys Cys Lys Ala Cys Asn
342           35           40           45
344 Leu Gly Glu Gly Val Ala Gln Pro Cys Gly Ala Asn Gln Thr Val Cys

```

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

*PSI*  
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## VERIFICATION SUMMARY

DATE: 05/19/2000

PATENT APPLICATION: US/09/230,111A

TIME: 12:21:58

Input Set : A:\48962apl.app

Output Set: N:\CRF3\05182000\I230111A.raw

L:29 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:1  
L:29 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:1  
L:29 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:1  
L:43 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:2  
L:43 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:2  
L:43 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:2  
L:71 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:4  
L:71 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4  
L:71 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:4  
L:1558 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:31  
L:1558 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:31  
L:1558 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:31  
L:1572 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:32  
L:1572 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:32  
L:1572 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:32  
L:1586 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:33  
L:1586 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:33  
L:1586 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:33